REPORT OF DISTRIBUTION OF WATER SUPPLY

of

ASHLEY CREEK DISTRIBUTION SYSTEM

for the

YEAR - 1964

DAVID R. RASMUSSEN, COMMISSIONER

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ACKNOWLEDGEMENTS

The sincere appreciation of the Water Commissioner is expressed to Mr. Wayne D. Criddle, State Engineer for the State of Utah, and his fine staff of personnel at the State Office. Special thanks goes to Mr. Bob Guy, Area Engineer for the Uintah Basin Area, for his cooperation and assistance in distribution and interpetation of the water rights involved in the Ashley Creek Distribution System.

Thanks is also made to the Executive Committee, composed of representatives from the various companies involved: Mr. Dee Jenkins, Chairman, representing the Ashley Upper Irrigation Co., Mr. Lowe Goodrich, representing the Ashley Central Irrigation Co., Mr. Lynn Richens, representing the Ashley Valley Reservoir Co., Mr. Colton McKeachnie, representing the Highline Canal Co., Mr. Niles Haslem, representing the Rockpoint Canal Co., Mr. Bill Havens, representing the Island Ditch Co., Mr. Joe Dodds, representing the Dodds Ditch, Mr. Stanley Jones, representing the Steinaker Ditch, and Mr. Morgan Hall, representing the Dry Fork and Upper Ashley Creek Users.

To Dayl Webb and his fine staff in the Vernal U.S.G.S. Office, Bob Oliver, Karl Pratt and staff at the Bureau of Reclamation Office, Lorin Hunt of the Soil Conservation Service, Ben Lindsey of the Utah State University Extension Service, L.Y. Siddoway from the Conservancy District and all others who helped in any way, the Commissioner expresses his appreciation.

ASHLEY CREEK DISTRIBUTION SYSTEM
46 NORTH VERNAL AVE.
VERNAL, UTAH
FEBRUARY 1, 1965

LETTER OF TRANSMITTAL

Hon. Joseph E. Nelson
Fourth Judicial District
Uintah County Court House
Vernal, Utah

Dear Sir:

In accordance with the authority granted by the ORDER APPOINTING COMMISSIONER dated April 7, 1964, and filed as part of Civil No. 18, now Civil No. 3197 in the Uintah County Court House at Vernal, Utah, I submit herewith the report on the distribution of the waters of Ashley Creek Distribution System for the year 1964.

Respectfully yours,

David R. Rasmussen

David R. Rasmussen
Water Commissioner

WATER SUPPLY

Compared to 1963, the irrigation season for 1964 was much better as far as water supply is concerned. For the twelve month period of October 1963, through September 1964, Ashley Creek measured by the U.S.G.S. at the Sign of the Maine gaging station ran 79,590 acre feet as compared with 48,060 acre feet during the same period during 1962 and 1963.

The supply during the early part of the irrigation season, April and the first fifteen days of May was below normal and averaged only 19.2 cfs per day for the fourty five day period. Due to low flow and canal repair work being done most of this water was diverted into Steinaker Reservoir on a temporary storage agreement where by it would accrue credit for the various canal companies and then be released in larger, more benificial, amounts up to May 15, 1964.

On May 16, 1964, the creek showed the first signs of the approaching spring run off period by increasing to 132.0 cfs. By May 21, 1964, the Ashley Creek peaked at 1500 cfs. and then started tapering off to a low of 479.0 cfs on May 31. On June 7, 1964, the creek came back to a high of 854.0 cfs and then gradually continued dropping until it reached a low of 40.0 cfs by September 30, 1964.

Outside of having an extremely dry spring and the high water some what later coming than normal we experienced a fairly good water supply.

In addition to having excellent water supply after May 15, for farm use the Steinaker Reservoir stored from 11,875 acre feet, the level on January 1, 1964, to 29,041 acre feet by June 30, 1964, in addition to delivering into the Service Canal 3,040 acre feet during the same period for use in priming the canal and for deliveries of temporary storage and holdover "S" stock. During the irrigation season after June 30, the Steinaker Reservoir delivered into the Service Canal for use as "S" stock or exchange for primary water or Ashley Valley Res. stock a totla of 12,291.9 acre feet of water which was supplemental to direct flow for use above the Service Canal as direct flow primary rights or exchange "S" stock. As of Dec. 1, 1964, the various companies had still remaining a total of 2,526.8 acre feet of "S" stock credit that can be drawn prior to May 15, 1965, as holdover storage.

All of the Ashley Valley Reservoir Company reservoirs filled and overflowed. This enabled the Directors of the Company to permit the use of one cfs for 2 hours and 45 minutes per share of stock owned. This was the most time ever allowed for Ashley Valley Reservoir stock per share. The first calls for Ashley Valley Reservoir water were made on July 13, 1964, for delivery on July 14, 1964, in the amount of twenty five cfs. From this point on the reservoir company released continuallly for a total of 1,314 acre feet in July, 1500 acre feet in August, 1684 acre feet in September and 1218 acre feet in October for a total delivery of 5,716 acre feet for the season. This water was used either as direct delivery Ashley Valley Reservoir stock above the Service Canal or as exchange "S" stock above the Service Canal.

The foregoing information points out the fact that we have generally good supply of water after the middle of May and up to the end of July. Also that below the Steinaker Service Canal Users are generally able to call for and receive what water they are entitled to when they need it. Our main problem is securing water supply early in the spring and late fall as well

as needing more water to serve lands above the new Steinaker Service Canal. The only other important source of water available to take care of these needs is the water that sinks in the Dry Fork area. We should continue every effort to investigate and develop this proposed project in order that Ashley Valley may have the water which is deficient in certain areas (1)* of the valley as well as during certain periods (2)* of the year.

*1. Areas above the Steinaker Service Canal.
*2. April 1, to May 15, and after August 15.

IRRIGATION SEASON

As pointed out in the Water Supply section Ashley Creek water was diverted into the Steinaker Reservoir during April due to the low flow and canal repairs. A small amount, 1.7 % of the creek, was turned into the Rock Point Canal as the Joe Dodds, Sterling Cook right and used primarily for stock water. On May 5, 1964, 16.0 cfs was turned into the Upper Canal and officially opened the 1964 irrigation season. The season continued on to October 31, 1964, which is the end of the season as far as the irrigation filing is concerned. Due to the extreme dry conditions on some farms above the Service Canal, the Bureau of Reclamation agreed to allow the Highline canal and the Upper canal to use this water after November 1, 1964, as "S" stock instead of storing it.416.0 acre feet were delivered up to November 14, at this time heavy snow made irrigation impractical and all the water except the Joe Dodds 1.7% of Ashley Creek was diverted into the Steinaker Reservoir for storage.

For a complete run down on daily and monthly distribution, see the records section of this report.

DEPUTY COMMISSIONER

On the reccomendation of the Ashley Creek Users, and supported by the Court, Dave Rasmussen, was appointed Water Commissioner of Ashley Creek in place of the State Engineer as had been the case in past years. Rasmussen had served as Deputy Commissioner under the State Engineer for the previous two years and accepted the position on full time basis. (See the ORDER APPOINTING COMMISSIONER that is included in this report for a complete record of the duties and stipulations of this appointment.) No Deputy Commissioner was hired during the 1964 season, however, after one years effort to take care of the work without help, it is reccomended that a part time Deputy be appointed to fill in on emergencies such as illness or unavoidable absences, since the job requires a man to be available 24 hours a day for the full irrigation season.

MEASURING DEVICES

Even with considerable work and improvements being completed on the overall system in regards to measuring devices and headgate structures, there remains much to be done to bring the system up to a more efficient, up to date set up. Considerable water is lost each year through the use of inadequate headgate structures and measuring devices. Automatic recorders now in use, provide invaluable information and controll and many more need to be installed in various canals and ditches.

The largest single improvement in the line of headgates and measuring devices was the completion of the new headgate structure and measuring devices at the head of the Central, Rock Point, Island and Dodds canals. This structure was completed in time to be used during the primary portions of the 1964 irrigation season and proved to be one of the best projects completed for quite some time. It was engineered and inspected by the Soil Conservation Service and cost shared by the U.S. Government A.S.C. program. Supervision of construction and obtaining the required signitures of participat-users was handled by Arthur Soderquist, stock holder in the Ashley Central and Rock Point canals. A comendable job was done by Mr. Soderquist and much credit for the completion of this project must be given to him.

We anticipate the completion of a new concrete parshall flume to be constructed at the head of the HighLine Canal early this coming spring. This project is part of the recent contract let by the Bureau Of Reclamatio to line the Service Canal and finish up other construction relative to the Steinaker project. At this time an additional easement for construction is being aquired and the contract between the Bureau of Reclamation and the High Line Canal Co. has been signed. This will be a big improvement over the past since we have attempted to measure water with a cement control lip that was rated some time past. It has been questionable in the past as to how accurate this structure measured the water at low amount and very high amounts.

Dr. Anderson, of Utah State University Extension Service, has spent considerable time in our system during the past season and has come up with some specific recommendations as to what might be used in places where the conventional parshall flume will not work. Plans are now to follow Mr. Adersons' recommendations and as fast as practically possible put into effect some of the new ideas on measuring water.

More detailed recommendations concerning measuring devices are contained in the separate sections recommendations of this report.

DISTRIBUTION OF COMMISSIONERS TIME BY JOB OR DUTY (FOR PERIOD OF MAY 1, 1964 TO FEB. 15, 1965.)

JOB DISCRIPTION	HOURS SPENT	PERCENTAGE
1. Physical work involved with traveling to and from diversions, reading weirs, adjusting headgates and making measurments.	603	50 %
2. Compiling data and writing a report of water distribution for the 1964 irrigation season.	87	7.21 %
3. General office work, record keeping and etc.	191	15.84 %
4. Court hearings	6	.50 %
5. Reviewing water rights.	16	1.33 %
6. Meetings with water users.	201	16.66 %
7. Work with other agencies, State Engineer, S.C.S., Bureau of Reclamation and etc.	102	8.46 %
TOTAL	1206	100.00 %

This report is based on daily time records kept by the Commissioner for himself and all other employees of the office.

IN THE FOURTH JUDICIAL DISTRICT COURT OF THE STATE OF UTAH IN AND FOR UINTAH COUNTY

EBENEZER G. DEFRIEZ, et al,

Plaintiffs,

vs.

ASHLEY CENTRAL IRRIGATION COMPANY, et al,

Defendants,

and

ASENITH CHADWICK, et al,

Intervenors,

and

HIGHLINE CANAL COMPANY, ASHLEY VALLEY RESERVOIR COMPANY, DRY FORK IRRIGATION COMPANY, PITT DITCH COMPANY, DUAYNE T. JOHNSON, MORGAN MERKLEY, WILLIAM H. HULLINGER, CLARENCE E. JONES, HENRY PELTIER AND GLEE C. PELTIER, VIRTUS McCONKIE AND SADIE A. McCONKIE, ARUS CALDWELL, LAWRENCE CALDWELL and UNITED STATES BUREAU OF RECLAMATION.

Defendants.

ORDER APPOINTING COMMISSIONER

Civil no. 18
now
Civil No. 3197

The Motion of the Ashley Upper Irrigation Company on behalf of itself and other parties, Plaintiffs, Defendants and Intervenors, Users of the waters of Ashley Creek and its tributaries, in the above entitled action came on regularly for hearing this 7th day of April, 1964, praying for the Appointment of a Water Commissioner to distribute the waters of Ashley Creek for the year beginning April 7, 1964, and ending April 6, 1965.

And it appearing to the Court that all of the users of the waters of Ashley Creek and its tributaries heretofore made parties to this said action had been given due and legal notice of the said Motion in the manner and for the time required by the Laws of the State of Utah.

And it further appearing that this Court has jurisdiction of the distribution of the waters of Ashley Creek and its tributaries by reason of the Decree entered herein on November 17, 1897, as amended on May 15, 1962, to direct the administration and distribution of the waters of said Ashley Creek.

And it further appearing that in order to properly protect the rights of all parties hereto to administer and distribute the waters of Ashley Creek and its tributaries in a proper manner, it is necessary that a Water Commissioner of Ashley Creek be appointed as provided in the said Decree.

And it further appearing that the said users of the waters of Ashley Creek, the parties in this action, have by agreement amoung themselves made by their duly appointed representatives agreed and stipulated that David Rasmussen is a person qualified to act as said Commissioner and has agreed to so act.

NOW, THEREFORE, IT IS HEREBY ORDERED, ADJUDGED AND DECREED as follows:

1. That David Rasmussen be, and he is hereby, appointed Commissioner of the waters of Ashley Creek and its tributaries which said Creek is a tributary of Green River in Uintah County, State of Utah, for a period of one (1) year beginning April 7, 1964, and ending April 6, 1965, or until further order of this Court; and he is hereby directed to administer and distribute the waters of Ashley Creek and its tributaries by himself or duly appointed deputies in accordance with the Laws of the State of Utah and the Decrees of this Court which by reference are made a part hereof, to the parties hereto in accordance with their respective rights. The rights of the parties hereto shall be, until further Order of this Court, as they were established by the Commissioner during the 1963 irrigation season.

2. That the said Commissioner shall confer and counsel with the Chairman of a committee representing the water users of Ashley Creek and its tributaries, provided said Chairman shall act in an advisory capacity only and that the Commissioner shall be responsible only to this Court.

3. That the said Commissioner shall name and appoint such deputy or deputies as he may need in the distribution of the waters of said Ashley Creek and he is hereby authorized to pay a reasonable salary or wages and automobile mileage to himself and such persons as he may employ in carrying out the provisions of this Order. That the said Commissioner shall obtain the approval of the Chairman of the above mentioned water users committee in writing of the salary to be paid himself, his deputies and mileage allowances.

4. That the said Commissioner shall immediately submit for the approval of this Court an estimate of the expenses involved in carrying out the provisions of this Order and notify the respective water users of their proportionate share of this expense and the parties hereto are hereby directed to pay to the Clerk of this Court on or before July 1, 1964, their pro-rated share of said expenses. This money, when collected by the Clerk, shall be forwarded by him to the Commissioner to be held by him in a trust fund account and disbursed under the direction of the Commissioner fro paying the expenses involved in carrying out the provisions of this Order.

5. The expense of carrying out the provisions of this Order as estimated by the said Commissioner shall be paid by the parties hereto in the following proportions:

1. Primary Water Users 55%

Primary Water Users to pay 55 % in the following proportions:

Ashley Upper Irrigation Company	.327
Colton Ditch Company	.036
Steinaker Ditch Company	.02
Ashley Central Irrigation Company	.335
Hardy Ditch Company (out of Ashley Central Irrigation Company)	

Island Ditch Company	.074	
Dodds Ditch Company	.01	
Rock Point Irrigation Company	.198	
2. Ashley Valley Reservoir Company		20%
3. United States Bureau of Reclamation		15%
4. All Other Users		10%

All Other Users to pay the 10% in the following proportions:

Highline Canal Company	.25
Dry Fork Irrigation Company	.15
Mosby Irrigation Company	.25
Pitt Ditch Company	.05
Duayne T. Johnson	.05
Morgan Merkley	.05
William H. Hullinger	.05
Clarence E. Jones	.05
Henry Peltier and Glee C. Peltier	.05
Virtus McConkie and Sadie A. McConkie	.05

Provided further, that in the event the said Commissioner shall over estimate the actual expenses incurred during the above period, then the remaining balance shall be carried forward to cover expenses for the next irrigation season; and that in the event the said Commissioner shall underestimate the actual expenses incurred during the above period, then he shall report the same to this Court and a further assessment will be made to meet the expenses incurred.

6. That said Commissioner shall distribute the waters of said Ashley Creek at the weirs or points of diversion heretofore constructed by the respective parties and approved by this Court and where the said parties do not have proper weirs and measuring devices, it is hereby ordered that they shall install the same in a manner to be approved by the said Commissioner, which said devices shall be mechanical and constructed in a manner that they will shut off the waters of the respective ditches and canals when directed by the Commissioner.

7. It is further ordered that each party hereto shall at his or its own expense install a Parshall Flume or other measuring device at the head of his or its ditch at a place and in a manner to be approved by the Commissioner.

8. That the respective partis hereto are hereby ordered to comply with the schedule of terms and other rules and regulations as they may be given by the said Commissioner and approved by this Court in the use of the waters they are entitled to under the terms of this Decree and the laws of the state of Utah.

9. The Commissioner and his deputies are hereby ordered and directed that in the event any of the parties hereto fail to comply with this Order, to shut off the water of the said party and report the failure to this Court; and such party shall not be permitted the use of any of the waters of Ashley Creek and its tributaries until further order of this Court.

10. That the said Commissioner is herby directed to file a written report of his actions and activities in the distribution of the waters of Ashley Creek for the 1964 irrigation season which said report shall be filed as soon after January 1, 1965, as may be practical.

11. It is further provided that in the event any of the parties hereto shall disagree with the Chairman of the said water users committee, then he is hereby authorized to confer directly with the Commissioner or his deputy concerning any distribution problem and in the event the Commissioner or his deputy can not settle such controversy, such person may present his problem to this Court for final determination.

Dated this 7th. day of April, 1964

Maurice Harding

District Judge

PROPOSED WATER DELIVERY SCHEDULE FOR ASHLEY CREEK AND TRIBUTARIES (1*

It is proposed to divide the water of Ashley Creek and Dry Fork in accordance with the decreed water rights as closely as can be followed. However, until these rights have been established on a more firm basis, the distribution as set out in the past, will be followed during the coming irrigation season.

This schedule is as follows:

I. Firm Flow: Will be distributed pro-rated on the following schedule.

A. Water User or Canal Company	% of Flow
1.Ashley Upper Irrigation Co.	36.3
2.Steinaker Ditch	2.0
3.Ashley Central Irrigation Co.	33.5
4.Island Ditch Co.	7.4
5.Dodds Ditch Co.	1.0
6.Rock Point Irrigation Co.	19.8
Total	100.0

II. Transmountain Diversions, Applications, or Certificates will have water delivered in accordance with priority.

A. Ashley Valley Reservoir Company water is to be delivered from the Brush Creek drainage through a transmountain diversion into the Stockholders' canals on the basis of 90 % of diversion with 10 % being assessed as transmission charges.

B. Highline Canal Company water to be delivered in accordance with their applications.

C. U.S. Bureau of Reclamation water to be delivered through the Thornberg diversion as per applications.

D. All private diversions in accordance with their application rights.

III. Dry Fork rights will be delivered in accordance with the Dry Fork Decree with no release of low flow to the primary water rights of Ashley Creek, and all applications and certificates will be delivered water in accordance with their priority.

A. Mosby Irrigation Company will be delivered water in accordance with physical conditions and their application priority.

(1* This Schedule is to be applied as proposed until a more equitable schedule of all rights may be developed. Changes in this schedule will be made as additional information becomes available.

SUPPLEMENTAL DECREE OUTLINING AGREEMENT BETWEEN ASHLEY VALLEY WATER USERS AND MOSBY IRRIGATION COMPANY. RECORDED IN THE UINTAH COUNTY COURT HOUSE

IN THE FOURTH JUDICIAL DISTRICT COURT OF THE STATE OF UTAH, IN AND FOR UINTAH COUNTY

EBENEZER G. DEFRIEZ, et al, Plaintiffs,	Civil No. 18
vs.	
ASHLEY CENTRAL IRRIGATION COMPANY, et al, Defendants,	SUPPLEMENTAL DECREE
ASENITH CHADWICK, et al. Intervenors	

This matter came on regularly for hearing on the joint Petition of Mosby Irrigation Company, Ashley Upper Irrigation Company, Ashley Central Irrigation Company, Rock Point Canal and Irrigation Company, Island Ditch Company, Colton Ditch Company, Dodds Ditch Company and Dry Frok Irrigation Company before the above entitled Court on the 12 th day of August, 1964, the Honorable Joseph E. Nelson, District Judge, presiding; the Mosby Irrigation Company appeared by and through its attorney, Joseph Novak, of Salt Lake City, Utah, Ashley Upper Irrigation Company, Ashley Central Irrigation Company, Island Ditch Company, Colton Ditch Company, Dodds Ditch Company, Dry Fork Irrigation Company, Highline Canal Company and Uintah Water Conservancy District, individually and collectively, appeared by and through their attorney, Hugh W. Colton, of Vernal, Utah, Ashley Valley Reservoir Company appeared by and through its attorney, Ray E. Nash, of Vernal, Utah, Rock Point Canal and Irrigation Company appeared by and through its attorney, John C. Beaslin, of Vernal, Utah and Wayne D. Criddle, as State Engineer of the State of Utah, appeared by and through his attorney, Dallin W. Jensen, Assistant Attorney General, of Salt Lake City, Utah; and

It appearing to the Court and the Court now finds that, pursuant to and in accordance with the Order of the Court made and entered on the 8th day of July, 1964, notice of the hearing on said Petition (1) was duly published in the Vernal Express, Vernal, Utah, a newspaper of general circulation in Uintah County, Utah, in two successive weekly issues thereof beginning July 16, 1964, and ending July 23, 1964, and that proof of publication thereof has been filed herein and (2) was mailed by the Clerk of this Court by regular mail with postage prepaid and deposited in the United States Post Office on the 22nd day of July, 1964, to each person who diverts water or claims the right to divert water from Dry Fork Creek and Ashley Creek below its confluence with Dry Fork Creek at their last know address from the list compiled by and submitted to the Clerk of this Court by the State Engineer of the State of Utah, and that the Clerk's certificate of mailing has been filed herein; and

It further appearing to the Court and the Court now finds that the parties to said joint Petition and others entered into and filed in open Court a Stipulation, in writing, fixing and determining the rights of Mosby Irrigation Company to the use of a portion of the waters of the drainage of Dry Fork Creek, a tributary to Ashley Creek; and the Court having announced in open Court for any and all objections to the granting of the said joint Petition herein, and no one having objected thereto; and the Court being fully advised in the premisis hereby approves said written Stipulation and upon mothion of the parties to said joint Petition and good cause appearing therefor

IT IS HEREBY ORDERED, ADJUDGED AND DECREED:

1. That Mosby Irrigation Company be, and it is hereby awarded the first and prior right to divert and use from the natural flow waters of Dry Fork Creek at Blanchett Park as follows:

(a) Thirty (30) second feet of water during the months of May and June, inclusive, of each year;
(b) Twenty (20) second feet of water during the month of July of each year; and
(c) Ten (10) second feet of water during the months of August, September and October, inclusive, of each year.

The quantities of water hereinabove provided for shall be measured at the point of diversion from Dry Fork Creek into the Mosby Canal at Blanchett Park.

2. That Mosby Irrigation Company be, and it is hereby awarded the first and prior right to store the first one thousand (1,000) acre feet of the waters of Dry Fork Creek at Blanchett Park during the period from November 1, to the end of the high water period of the year following, inclusive, but not later than June 30, in a reservoir having a capacity of up to one thousand (1,000) acre feet to be constructed across the natural channel of Dry Fork Creek at Blanchett Park, and to release and use the waters so stored during the period from May 1 to October 31, inclusive. The end of the high water period shall be when the flows of Ashley Creek and Dry Fork Creek, after once having reached their respective maximum peak flows, shall have then receded to the flow of flows necessary to satisfy the present existing direct flow rights on said Ashley Creek and/or Dry Fork Creek. The waters awarded in this paragraph shall be in addition to the waters awarded in the preceding paragraph 1.

3. That Mosby Irrigation Comapany be, and it is hereby awarded the first and prior right to all of the natural inflow waters accumulating in the Mosby Canal in addition to the quantities of water awarded in paragraphs 1 and 2 hereinabove.

4. That Mosby Irrigation Company be, and it is hereby awarded the right to construct a reservoir at Julius Park with an approximate capacity of one hundred sixty-five (165) acre feet, to be used as the Mosby Irrigation Company shall see fit to store, equalize and/or distribute the waters awarded to it in the preceding paragraphs 1, 2 and 3.

5. That the parties hereto shall have the right to do all things necessary or required by law and/or the Utah State Engineer to perfect and establish the rights to the use of the waters hereinabove awarded, and the parties hereto shall cooperate and assist in reaching the objectives herein provided for.

6. That Mosby Irrigation Company shall relinquish any and all its claims to the waters of the Dry Fork Creek drainage in excess of the rights hereinabove awarded, including but not limited to all applications for waters from Twin Lakes Creek.

7. That the terms and provisions of this Supplemental Decree shall become effective and binding immediately upon the entry herein; provided, however, that the distribution of the waters under the terms hereof shall not commence until (1) January 1, 1967 or (2) immediately upon the completion of the proposed pipeline to be constructed around the Dry Fork Sinks under the proposed Dry Fork Project, whichever date is the earlier; and provided, further, that until such date the distribution of the waters involved herein shall continue as in the past.

8. That this Decree shall be supplemental to the final Decree made and entered herein on the 17th day of November, 1897 and all orders made and entered herein subsequent thereto, and that this Decree shall fix and determine the rights of the Mosby Irrigation Company to the use of a portion of the waters of the drainage of Dry Fork Creek, a tributary to Ashley Creek, relative to the rights of the parties awarded in said Decree dated November 17, 1897 and relative to the rights to the use of the waters of Ashley Creek and/or Dry Fork Creek of the parties to this Supplemental Decree.

Dated this 28th day of August, 1964.

BY THE COURT

Joseph E. Nelson

Judge

VERNAL CITY WATER RIGHTS

The right for Vernal City to divert and use water out of the spring in Ashley Creek Canyon is based on the fact that they own stock in three companies. This stock as assessed in 1964 is shown below by company. In addition to this stock Vernal City claims what is know as the A.J. Johnson right and considerable "S" stock as shown below in acre feet.

	STOCK
Ashley Central Irrigation Company	
Total stock assessed in Vernal City account	50.6744 shares
Ashley Upper Irrigation Company	
Total stock assessed in Vernal City account	12.932 shares
Ashley Valley Reservoir Company	
Total stock assessed in Vernal City Account	2,405.47 shares
A.J. Johnson right (?)	0.33 % of stream

Steinaker Reservoir Subscription

Vernal City	750 acre feet
Naples Water Co. (To be turned to Vernal City)	200 acre feet
Ashley Water Co. (To be turned to Vernal City)	150 acre feet
Davis-Glines Water Co. (To be turned to Vernal City)	300 acre feet
TOTAL	1400 acre feet

TABLE 1. ASHLEY CREEK DISTRIBUTION SYSTEM (1*
PROPOSED BUDGET FOR PERIOD OF APRIL 1, 1964 to APRIL 1, 1965

ITEM	AMOUNT
Commissioner's Salary	$3,372.00
Matching social security	122.24
Matching retirement	134.88
Travel in privately owned automobile (7200 miles @ $.10)	720.00
Bonds and Insurance premiums	50.00
Annual Commissioner's Report (Typing stencils and printing costs)	250.00
System equipment	200.00
Miscellaneous	160.88
Office rent (50 % for one year)	300.00
TOTAL	$ 5,300.00

(1* Prepared by David Rasmussen, Commissioner for Ashley Creek Distribution system

TABLE-2 BREAKDOWN OF THE 1964 ASSESSMENT FOR ASHLEY CREEK DISTRIBUTION SYSTEM (1*

PRIMARY USERS 55 %	$2,915.00
ASHLEY VALLEY RESERVOIR CO. 20 %	1,060.00
U.S. BUREAU OF RECLAMATION 15 %	795.00
ALL OTHERS 10 %	530.00
TOTAL	$5,300.00

THE PRIMARY USERS WERE ASSESSED FOR THE 55 % IN THE FOLLOWING MANNER

PRIMARY USERS	%	AMOUNT
1. Ashley Upper Irrigation Company	.327	953.20
2. Colton Ditch Co.	.036	104.94
3. Steinaker Ditch Co.	.020	58.30
4. Ashley Central Irrigation Co.	.335	976.53
5. Hardy Ditch Co. (Included in the Central)		
6. Island Ditch Co.	.074	215.71
7. Dodds Ditch Co.	.010	29.15
8. Rock Point Irrigation Co.	.198	577.17
Total		$2,915.00

ALL OTHERS		
1. Highline Canal Co.	.25	132.50
2. Dry Fork Irrigation Co.	.15	79.50
3. Mosby Irrigation Co,	.25	132.50
4. Pitt Ditch	.05	26.50
5. Duayne T. Johnson	.05	26.50
6. Morgan Merkley	.05	26.50
7. William H. Hullinger	.05	26.50
8. Clarence E. Jones	.05	26.50
9. Henry and Glee C. Peltier	.05	26.50
10 Virtus and Sadie A. McConkie	.05	26.50
TOTAL		$530.00

ASHLEY VALLEY RESERVOIR CO.	20.0	$1,060.00
U.S. BUREAU OF RECLAMATION	15.0	$ 795.00
TOTAL----------		$5,300.00

NOTE: The above specified amounts were due and payable on or before July 1, 1964 as provided for in the ORDER APPOINTING COMMISSIONER as filed in the Uintah County Court House and dated April 7, 1964,, and stipulated in paragraph # 4 of the order.

SUMMARY OF COMMISSIONERS' ACTIVITIES ON ASHLEY CREEK DISTRIBUTION DISTRIBUTION SYSTEM FOR IRRIGATION SEASON OF 1964

Distribution and record keeping on Ashley Creek Distribution System officially began on April 1, 1964. At this time, however, the creek was flowing only 18.0 cfs, and it was decided by the major canal companies that divivision of this small flow would only result in waste since each company would receive such a small amount no beneficial use could be obtained. With the exception of the Dodds and Steinaker ditches (3 % of the creek flow), all the other primary Users (97 % of the creek flow) agreed to continue diverting their share into the Steinaker Reservoir under a temporary storage agreement with the Bureau of Reclamation. Under this agreement each company would acrue credit in the Reservoir for their decreed share and be permitted to draw a more substantial stream for a shorter period of time and thus increse the potential for a more beneficial use. Users below the Service Canal would draw all their credit out of storage and Users above the Service Canal would use all of the Ashley Creek stream flow to obtain their credit.

The most serious problem during April was seeing that the Dodds Ditch obtained their fair share. The old structure at the head of the Dodds Ditch was in such poor shape that it was almost impossible to divert the Dodds share without getting into the Island or Central Canals. Construction and completion of the new headworks structure has eliminated this problem and will no longer take any large amount of time or effort.

Distribution continued on through the balance of April as outlined, with the majority of the water being stored in Steinaker Reservoir. The water being used by Vernal City in the pipeline was controled by takeing a daily reading on their totaliqing meter located on the pipeline at Merkleys' Park. Any water used over and above their share as represented by stock in the companies was charged against "S" stock owned by Vernal City.

On May 5th, Ashley Upper Canal diverted 16.0 cfs and the first water was actually diverted from Ashley Creek for irrigation purposes. On this same date, orders were taken for deliveries out of the Steinaker Service Canal and the irrigation season was in full swing. By May 15th, the high water had started coming and by May 21st, the creek peaked at 1500.0 cfs. Distribution during this period was accomplished by filling all the canals including the New Steinaker Feeder Canal and watching what couldn't be used run on down Ashley Creek to Green River.

Our biggest problem during high water, as always, was keeping the trash out of the headgates. Extra help was employeed to help during the nights when the trash was worst. At times the canals would plug off until less than half of their capacity was flowing. The best solution to the trash problem seems to lie in having men available as the trash comes and removing it from the headgates as it comes rather than allowing an accumulation to pile up and then trying to pull it apart.

It is the Commissioners' opinion that the irrigation canals should be set at a fairly constant flow during high water and that the Steinaker Feeder Canal take the ups and downs as nearly as possible. The old idea of loading the irrigation canals up to near and over capacity during the night results in very little beneficial use and usually several canal bank breaks which result in costly repairs and periods of lost water.

Under the present contracts each canal company is alloted a certain amount of water during April, May and June and the project takes the balance for storage. It should not make any problems for the project to handle the high peaks that occur during the night and thus permitt the other canals to run fairly constant day and night. For a complete understanding of the primary rights and apportionment of stream flow as stipulated in the contracts with the Bureau of Reclamation see the Delivery Schedule and the Table of Apportionment that are included in this report.

On June 4, 1964, Grant Hacking, Henry Workman and Dave Rasmussen were sucessful in reaching the Leidy Peak Ditch. At this time there was three to four foot of snow pack around the ditch area and there was no visable water running in the ditch. The prospects for water in the Leidy Ditch looked excellent for June and July however. By June 12, 1964, the flow measured four cfs and on June 13, 1964, 4.0 cfs was turned into the Highline Canal for the Leidy Peak filing. Leidy Peak ditch continued running water into the Ashley Creek System up through July 30, 1964, for a total delivery of 798.0 acre feet for the season. This is by far the best returns from this filing for a long period of time.

On July 2, 1964, the Commissioner went to Blanchett Park and shut off the Mosby Irrigation Co. transmountain diversion and turned all the water down Dry Fork Canyon, tributary to Ashley Creek. By this time Ashley Creek was flowing around 200 cfs and the primary rights were not being satisfied. This action was in line with the old agreement between Ashley Creek Primary Users and Mosby Irrigation Co. It is interesting to note that in 1963, the Mosby Canal was shut off on June 6, almost a month earlier than in 1964.

On July 30, 1964, the Commissioner returned to Blanchett Park and turned the water into the Mosby Canal. A trip to the Mosby diversion below Dry Fork Twin Lakes was also made and the water at this point was turned into the companies canal. At this time there was aprox. 20.0 cfs. available from the combined streams of Dry Fork Twins and Blanchett Park. This action was also based on the old agreement whereby Mosby takes the water as soon as Dry Fork Springs discontinue running on the surface of the stream bed.

1964 marked the beginning of a trial consolidation of four of the irrigation companies into one office under central supervision. Considerable help in planning this office and its functions was provided by Ben Lindsey, Uintah County Agent, and Dr. Bruce Anderson, Irrigation Specialist from Utah State University Extension Service. Companies involved in the Central Office were the Ashley Upper Irrigation Co., The Ashley Central Irrigation Co., The Highline Canal Co. and Ashley Valley Reservoir Co. This consolidation move proved to be a great benifit in the distribution of Ashley Creek water. It provided a central place for communication, between the Commissioner and the Water Masters of the various canal companies. The exchange program was greatly simplified by having all the records and requests for "S" stock deliveries at one place. And most important of all the Central Office provided for a call system of all water which ultimately resulted in more beneficial use of the available water supply.

After one year of operation under the Central Office concept it is recommended that other companies consider joining the Central Office. This type of operation is much more satisfactory and efficient as compared to the former situation whereby the Commissioner attempted to correlate all water orders and requests sent in from various companies from various locations.

A mobil telephone was also installed in the Commissioners' pick-up for part of the irrigation season on a trial basis. The mobil telephone proved to be very helpful during high water and during periods of heavy irrigation demand. The possibility of telephones in the Water Masters' automobile should be studied for use during heavy operational periods. The mobil telephones are available on a rent per month basis and need not be rented when not needed.

Distribution continued on through the summer months following the daily routine as outlined below:

1- Commissioner measured the flow of Ashley Creek and made the daily distribution based on the priority schedule taken form the old original decree.

2- Exchanges for "S" stock were worked out based on orders received in the Central Office the day before.

3- Canals above the Service Canal were set, based on the creek flow, orders for "S" stock and orders for Ashley Valley Reservoir stock.

4- A daily distribution report for distribution above the Service Canal was completed in duplicate. One copy for record and one copy for the Bureau of Reclamation.

5- Worked up the daily orders for water, primary, "S" stock and Ashley Valley Reservoir stock, below the service canal for each company.

6- Take the daily distribution above the service canal report and the combined orders for water below the service canal out to the Bureau of Reclamation office at Steinaker Dam.

Note: Orders for delivery below the Service Canal were required to be in the office 72 hours prior to the desired delivery time. This advance notice acused some problems in case of emergency or unexpected changes in the weather.

The above outlined distribution practice continued on to November 1, 1964, which marked the end of the irrigation season. Due to the extreme dry conditions in areas above the Service Canal, it was agreed to by the Conservancy District to allow farmers to call for and use "S" stock after November 1, 1964. up to the time when weather conditions made irrigation impractical. On November 14, 1964, heavy snow fall brought all irrigation to a stop and Ashley Creek Waters were diverted into Steinaker Reservoir for storage.

Generally speaking, distribution went quite well with very few serious problems. With a fair water supply and a better system of handling calls and exchanges most users received and used their fair share of water and were satisfied.

Although considerable progress was made during the 1964 irrigation season many parts of our system are still inadequate. The following recommendations point out the needs as seen by the Commissioner at this time.

1- We should continue to aquire top notch men for the position of Water Master. Every effort to train and help these men with their job should be taken. The County Agent and Soil Conservation Service could be involved in training and in teaching modern practices as well as being used as resource people.

2- Headgates and measuring devices should be installed where needed and repaired or replaced where necessary prior to any water deliveries in 1965. The Dry Fork Area needs many such structures and are far behind on measuring devices. Requirments for structures must be uniform and include all Users in the system.

3- An annual meeting of all Users in the Ashley Creek System should be held prior to April 1, 1965, in order that 1964 distribution may be reported and reviewed.

4- Completion of the proposed road from the Ashley Upper headworks area through Ferron Hackings' property to the Thorneberg Diversion should be completed as soon as weather permitts. This road would save considerable time and miles in distribution work.

5- We should give serious consideration to mobil telephones in the Water Masters' automobiles as well as the Commissioners' to complete a good communications system between Users, Water Masters, Canal Companies and the Commissioner.

6- Continued meetings of the executive officers shenever deemed necessary should be held in order that problems may be solved as they come up and policy may be set to cover all business.

7- A close working relationship should be maintained between the Bureau of Reclamation, the Conservancy District and the Central Office in order that maximum beneficial use and maximum storage may be obtained at all times. The three parties are so interelated that one cannot operate without affecting the others.

APPORTIONMENT OF ASHLEY CREEK STREAM FLOW AS TAKEN FROM THE CONTRACTS BETWEEN THE VARIOUS CANAL COMPANIES AND THE U.S. BUREAU OF RECLAMATION

HIGHLINE CANAL	ACRE FEET BY MONTH	% BY MONTH	ACRE FT. PER ACRES
714 Acres			
April	-----	4.8 %	4.0 ac. ft.
May	911	17.0 %	4.0 ac. ft.
June	1083	20.2 %	4.0 ac. ft.
TOTAL	1994	42 %	
ALTA DITCH			
276 acres	1.4 % of stream flow		
April	77	4.8 %	4.0 ac.ft.
May	911	17.0 %	4.0 ac. ft.
June	301	20.2 %	3.7 ac. ft.
TOTAL	1289	42.0 %	
ASHLEY UPPER			
6050 acres	31.9 % of stream flow		
April	1772	4.8 %	4.0 ac. ft.
May	6274	17.0 %	4.0 ac. ft.
June	6893	20.2 %	3.7 ac. ft.
TOTAL	14959	42.0 %	
COLTON DITCH			
213 acres	3.7 % of stream flow		
April	44	4.8 %	4.0 ac. ft.
May	160	17.5 %	4.0 ac. ft.
June	185	20.3 %	4.0 ac. ft.
TOTAL	389	42.6 %	
ASHLEY CENTRAL			
4743 acres	33.9 % of stream flow		
April	1320	4.8 %	4.0 ac. ft.
May	4674	17.0 %	4.0 ac. ft.
June	5134	20.2 %	3.7 ac. ft.
TOTAL	11128	42.0 %	
HARDY DITCH			
47 acres	0.3 % of stream flow		
April	10	4.8 %	4.0 ac. ft.
May	36	17.0 %	4.0 ac. ft.
June	40	20.2 %	4.0 ac. ft.
TOTAL	86	42.0 %	
ROCK POINT			
1264 acres	20.2 % of stream flow		
April	182	2.8 %	4.25 ac. ft.
May	1315	20.2 %	4.25 ac. ft.
June	1229	20.2 %	4.25 ac. ft.
TOTAL	2776	43.2 %	
ISLAND DITCH			
259 acres	7.6 % of Stream Flow		
April	158	4.8 %	4.0 ac. ft.
May	561	17.0 %	4.0 ac. ft.
June	616	20.2 %	3.7 ac. ft.
TOTAL	1335	42.0 %	

APPORTIONMENT OF STREAM FLOW -- CONTINUED FROM PREVIOUS PAGE

DODDS DITCH	ACRE FEET BY MONTH	% BY MONTH	ACRE FT. PER ACRE
43 acres 1.0 % of stream flow			
April	20	4.8 %	4.0 ac. ft.
May	72	17.0 %	4.0 ac. ft.
June	79	20.2 %	3.7 ac. ft.
TOTAL	171	42.0 %	

SUMMARY OF STEINAKER RESERVOIR STORAGE AND RELEASES FOR PERIOD OF NOV. 1963 - OCT. 1964

WATER AQUIRED	NOV. 1963	DEC. 1963	JAN. 1964	FEB.	MARCH	APRIL
WATER IN STORAGE AT 1ST. OF MONTH	8,716.0	10,297.0	11,875.0	13,180.0	14,283.0	15,549.0
WATER THROUGH FEEDER CANAL	1,581.0	1,578.0	1,305.0	1,103.0	1,266.0	1,054.0
TOTAL IN RESERVOIR	10,297.0	11,875,0	13,180.0	14,283.0	15,549.0	16,603.0
WATER DELIVERED						
PRIMING CANAL	0	0	0	0	0	212.0
CANAL LOSSES	0	0	0	0	0	0
EVAPORATION LOSSES	0	0	0	0	0	0
HIGHLINE CANAL	0	0	0	0	0	0
ASHLEY UPPER CANAL	0	0	0	0	0	8.0
ALTA DITCH	0	0	0	0	0	0
COLTON DITCH	0	0	0	0	0	0
ASHLEY CENTRAL CANAL	0	0	0	0	0	0
HARDY DITCH	0	0	0	0	0	0
ROCK POINT CANAL	0	0	0	0	0	0
ISLAND DITCH	0	0	0	0	0	0
TOTAL DELIVERED	0	0	0	0	0	220.0
BALANCE TO CARRY OVER	10,297.0	11,875.0	13,180.0	14,283.0	15,549.0	16,383.0

NOTE: INFORMATION IN THIS SUMMARY IS BASED ON A REPORT RECEIVED FROM KARL L. PRATT, PROJECT OPERATOR FOR THE STEINAKER RESERVOIR AND SERVICE CANAL.

SUMMARY OF STEINAKER RESERVOIR STORAGE AND RELEASES FOR PERIOD OF NOV. 1963 - OCT. 1964

WATER AQUIRED	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	TOTALS
WATER IN STORAGE AT 1 ST. OF MONTH	16,383.0	21,534.0	29,041,0	22,910.0	17,775.0	15,165.	
WATER THROUGH FEEDER CANAL	7,261.0	8,217.0	0.0	0.0	0.0	0.0	23,365.0
TOTAL IN RESERVOIR	23,644.0	29,751.0	29,041.0	22,910.0	17,775.0	15,165.0	32,081.0
WATER DELIVERED							
PRIMING CANAL	0.0	0.0	0.0	0.0	0.0	0.0	212.0
CANAL LOSSES	347.3	234.0	641.9	497.8	471.6	114.6	2,307.0
EVAPORATION LOSSES	120.0	180.0	218.0	296.0	143.0	153.0	1,110.0
HIGHLINE CANAL	0.0	0.0	1,180.0	218.0	52.0	0.0	1,450.0
ASHLEY UPPER CANAL	590.0	246.0	2,315.0	2,253.6	575.2	157.8	6,145.6
ALTA DITCH	0.0	0.0	35.9	46.0	44.0	0.0	125.9
COLTON DITCH	0.0	0.0	7.0	16.6	33.5	11.5	68.6
ASHLEY CENTRAL CANAL	624.0	50.0	1,600.0	1,579.8	980.7	74.3	4,909.4
HARDY DITCH	0.0	0.0	10.7	13.9	22.0	0.0	46.6
Rock POINT CANAL	268.2	0.0	103.0	132.1	111.0	23.2	637.5
ISLAND DITCH	160.5	0.0	18.9	81.2	177.0	15.6	453.2
TOTAL DELIVERED	2,110.0	710.0	6,131.0	5,135.0	2,610.0	550.0	17,466.0
BALANCE TO CARRY OVER	21,534.0	29,041.0	22,910.0	17,775.0	15,165.0	14,615.0	14,615.0

NOTE: PAGE NUMBER TWO OF TWO PAGES

Sta. No. 9-2710.50

Daily discharge in second ft. of Ashley Creek at Sign of the Main, near Vernal, Utah - year ending Sept. 30, 1964

Day	Oct.	*Nov.	*Dec.	*Jan.	*Feb.	* Mar.	*Apr.	*May	*June	*July	*Aug.	*Sept.
1	48	34	23	22	22	20	18	21	509	215	131	68
2	47	30	22	22	23	20	19	23	499	195	118	68
3	46	30	23	23	b22	20	18	22	514	188	116	71
4	46	33	23	22	b22	20	18	19	546	167	113	69
5	48	34	23	23	b22	20	18	18	595	158	101	66
6	51	33	23	22	b21	b20	18	20	747	147	101	66
7	50	33	23	22	b21	b20	18	20	854	145	94	66
8	50	32	23	b22	b21	b20	16	20	612	137	94	66
9	50	30	23	b22	21	b20	16	18	459	133	95	64
10	50	31	23	b22	20	20	17	18	413	*131	83	63
11	49	29	b23	b21	21	19	16	20	377	124	69	64
12	49	28	b23	b21	21	19	17	18	340	122	65	62
13	53	27	b23	b21	21	19	*16	*20	324	127	68	60
14	54	29	b23	b21	20	b19	16	33	302	158	*69	60
15	51	28	24	b21	b20	18	16	64	280	172	73	59
16	49	30	*24	b20	21	*18	18	132	290	147	80	56
17	*47	26	25	20	20	19	16	252	370	141	82	*51
18	45	25	25	20	*21	19	16	*389	422	139	73	52
19	44	24	25	21	20	19	18	603	369	133	69	56
20	48	*25	24	22	b20	18	18	1030	302	139	65	54
21	46	26	25	*23	20	18	17	1500	336	137	60	50
22	44	26	24	23	20	18	16	*1430	357	135	59	44
23	42	27	23	23	b20	18	16	1290	290	137	56	41
24	43	27	23	b23	b20	17	17	1200	256	141	58	41
25	41	27	23	23	20	17	17	1380	273	133	58	41
26	40	26	23	23	b20	16	16	*1260	253	131	66	41
27	38	26	22	22	b20	16	15	1080	246	129	72	40
28	36	25	22	22	b20	16	15	818	262	127	73	40
29	36	25	22	22	20	17	16	617	240	127	73	40
30	34	24	22	22	--	18	18	504	233	129	72	40
31	34	--	21	22	--	18	--	479	---	131	71	--
	1,409	*	718	*	600	*	506	*	11,870	*	2,477	*
	*	850	*	678	*	576	*	14,318	*	4,475	*	1,659
Mean	45.5	28.3	23.2	21.9	20.7	18.6	16.9	462	396	144	79.9	55.3
Acre Feet	2,790	1,690	1,420	1,340	1,190	1,140	1,000	28,400	23,540	8,880	4,910	3,290

Max. Discharge 2,130 cfs May 21 -- Mean 110, Acre Feet 79,590 *Discharge measurement made this day
b Stage-discharge relation affected by ice.

DAILY DISTRIBUTION OF WATER ABOVE STEINAKER SERVICE CANAL
ASHLEY CREEK DISTRIBUTION SYSTEM MONTH OF MAY, 1964

DATE	STEIN.	PITT	HIGHLINE		UPPER	FDR. CN.	ROCK PT.	DODDS	ISL. D.	CENT.	TOTAL
MAY	DT.	DT.	ALTA	PRI.	PRI.	STORAGE	PRI.	PRI.	PRI.	PRI.	PRI.
1						19.0		.5			19.5
2						22.0		.5			22.5
3						22.0		.5			22.5
4						20.0		.5			20.5
5					16.0	16.0		.5			32.5
6					15.0	1.5		.5			17.0
7					17.0	1.5		.5			19.0
8					18.0			.5			18.5
9					17.5			.5			17.5
10					10.0		2.0	.5	1.37	5.63	19.5
11					12.0		2.0	.5	1.35	7.63	23.48
12					10.0		4.34	.5	1.55	4.11	20.5
13					9.0		4.0	.5	1.37	3.63	18.5
14					18.0		5.13	.5	1.04	5.83	30.5
15					30.0		6.2	.5	4.05	5.2	45.95
16					30.0		10.0	1.0	3.0	15.0	59.0
17					91.0	16.0	18.5	2.73	8.46	36.31	173.0
18			16.0		104.0	15.0	42.9	3.53	7.65	70.0	259.08
19	4.0		16.0	53.	117.0	89.0	48.8	3.53	10.0	81.0	422.33
20*	10.0	5.0			40.0	309.0	50.0	4.0	20.3	120.0	558.3
21*	10.0	5.0	16.0	134.	273.0	336.0	58.0	4.0	20.3	120.0	976.3
22*	10.0	5.0	16.0	144.	260.0	330.0	64.0	6.8	20.3	180.0	1036.1
23*	10.0	5.0	16.0	144.	212.0	375.0	55.0	6.0	25.0	180.0	1028.0
24*	10.0	5.0	16.0	134.	258.0	280.0	50.0	4.0	20.0	135.0	912.0
25*	10.0	5.0	16.0	144.	273.0	288.0	75.0	4.5	22.0	180.0	1017.5
26*	10.0	5.0	16.0	164.	Break	400.0	75.0	4.5	22.0	180.0	876.0
27*	10.0	5.0	16.0	154.	168.0	400.0	78.0	8.0	22.5	180.0	1041.5
28	10.0	5.0	16.0	104.	260.0	400.0	63.0	6.0	25.0	150.0	1039.0
29	10.0	5.0		20.	273.0	33.0	68.0	5.12	16.0	101.0	531.12
30	10.0	5.0		20.	250.0		60.0	4.0	20.0	150.0	519.0
31	10.0	5.0	10.0		200.0		45.0	4.5	22.5	147.0	444.0
TOTAL CFS	124.0	60.0	170.0	1215.	2981.0	3373.0	884.87	79.71	295.74	2057.34	11240.66
TOTAL A.F.	148.0	120.0	340.0	2430.	5962.0	6746.0	1769.74	159.42	591.48	4114.68	22,481.32

* Days water spilled down Ashley Creek past the Central Canal diversion dam.

Total delivery from all sources during May 1963 in Acre Feet----------16406.38

DAILY DISTRIBUTION OF WATER ABOVE STEINAKER SERVICE CANAL
ASHLEY CREEK DISTRIBUTION SYSTEM MONTH OF JUNE, 1964

DATE	STEIN	PITT	HIGHLINE		UPPER	FDR CN	ROCK PT	DODDS	ISL. D	CENT.	TOTAL	TOTAL
JUNE	dt.	dt.	alta	Pri."S"	Pri.	Storage	Pri.	Pri.	Pri.	Pri.	"S"	All Sources
1	10.0	4.0	10.0		219.0		60.0	5.0	25.0	170.0		503.0
2	10.0	4.0	10.0		212.0		55.0	4.0	21.0	170.0		486.0
3	10.0	4.0	10.0		200.0	160.0	20.0	4.6	19.2	80.0		507.8
4	10.0	4.0	8.0		180.0	227.0	20.0	4.5	10.5	74.0		538.0
5	10.0	4.0	8.0	40.0	180.0	235.0	20.0	8.0	9.1	65.0		579.1
6	10.0	4.0	5.0	40.0	180.0	385.0	20.0	10.0	9.1	70.0		733.1
7	10.0	4.0	5.0	100.0	200.0	360.0	50.0	12.0	20.0	100.0		861.0
8	10.0	4.0	5.0	40.0	180.0	267.0	30.0	8.0	10.0	70.0		624.0
9	10.0	4.0	2.0	40.0	110.0	224.0	20.0	7.5	9.0	70.0		496.5
10	10.0	4.0	6.0	40.0	120.0	107.0	20.0	7.5	9.0	70.0		393.5
11	7.0	3.0	2.0	40.0	120.0	90.0	20.0	7.0	9.0	70.0		368.5
12	7.0	3.0	2.0	LEIDY*	100.0	104.0	20.0	7.0	9.0	64.0		316.0
13	7.0	3.0	4.0	4.0	90.0	130.0	20.0	6.0	9.0	60.0		333.0
14	7.0	3.0	1.0	4.0	90.0	120.0	20.0	6.0	9.0	60.0		320.0
15	3.0	1.0	1.0	6.0	90.0	112.0	20.0	6.0	9.0	56.5		304.0
16	3.0	1.0	4.5	6.0	81.5	170.0	10.0	6.0	9.0	60.0		351.0
17	3.0	1.0	4.5	6.0	81.5	104.0	16.0	6.0	7.3	80.0		309.3
18	3.0	1.0	4.5	6.0	81.5	220.0	16.0	6.0	7.3	80.0		425.3
19	3.0	1.0	4.5	6.0	81.5	144.0	16.0	6.0	7.3	80.0		349.3
20	3.0	1.0	4.5	6.0	81.5	114.0	10.0	5.5	7.3	80.0		312.8
21	3.0	1.0	4.5	6.0	81.5	140.0	10.0	5.5	7.3	60.0		318.8
22	3.0	1.0	4.5	6.0	81.5	185.0	10.0	6.0	7.3	40.0		344.3
23	3.0	1.0	4.5	6.0	81.5	173.0	10.0	6.0	7.3	15.0		307.3
24	3.0	1.0	6.5	6.0	1.5 88.5	142.0	10.0	5.0	7.3	20.0	1.5	290.8
25	3.0	1.0	6.0	10.	1.5 123.5	111.0	10.0	4.5	7.3	20.0	1.5	297.8
26	3.0	1.0	6.	10.	5.5 123.5	109.0	10.0	4.5	7.3	25.0	5.5	304.8
27	3.0	1.0	3.0	10.	5.5 113.5	83.0	10.0	4.5	7.3	25:0	5.5	266.0
28	3.0	1.0	3.5	10.	5.0 113.5	88.0	10.0	4.5	7.3	35.0	5.0	280.8
29	3.0		4.5	10.	4.0 108.5	39.0	12.0	4.5	7.5	60.0	4.0	253.0
30	3.0		4.5	10.	3.0 108.5		12.0	4.0	7.3	65.0	3.0	217.3
TOTAL	66.0		468.0		3702.5		587.0		298.3		26.0	
CFS	176.0		149.0	26.0		4343.0		181.6		1994.5		11992.1
TOTAL	132.0		936.0		7405.0		1174.0		596.6		52.0	
A.F.	352.0		298.0	52.0		8686.0		363.2		3989.0		23984.2

* Due to the inaccessible location of the Leidy Peak Ditch measuring weir, the flows were pro-rated between actual visits. The first Leidy Pk. credit was given on June 13 and continued on through the month. The first "S" stock of the season was also started on June 24, and amounted to a total of 52.0 Acre Feet for the month.

Total delivery from all sources during June 1963 in acre feet----------9837.18

DAILY DISTRIBUTION OF WATER ABOVE STEINAKER SERVICE CANAL
ASHLEY CREEK DISTRIBUTION SYSTEM MONTH OF JULY, 1964 (page 1)

DATE	STEIN	HIGHLINE C.			UPPER C.			ROCK POINT		DODDS	ISLAND	
		ALTA	LEIDY	RES. "S"	PRI.	RES.	"S"	PRI	"S"	PRI	PRI	"S"
1	3.0	4.5	10.0	3.0	79.0			40.0		2.0	14.0	
2	3.0	4.5	10.0	3.0	64.0			36.0		2.0	13.5	
3	3.0	3.5	10.0	3.0	62.0			36.0		2.0	12.0	
4	3.0	3.5	10.0	3.0	58.0			32.0		1.5	12.0	
5	3.0		38.0	3.0	56.0		2.0	28.0		1.5	11.0	
6	3.0		38.0	3.0	53.0		2.0	29.0		1.5	10.5	
7	3.0		33.0	3.0	51.0		2.0	28.0		1.4	10.4	
8	2.5		25.0	9.0	43.0		6.0	25.0		1.3	9.5	
9	2.5		25.0	9.0	30.0		10.0	24.0		1.2	8.8	
10	2.5		6.0	19.0	30.0		20.0	24.0		1.2	8.8	
11	2.0	2.0	6.0	19.0	21.0		24.0	20.0		1.0	8.0	
12	2.0	2.0	5.0	19.0	20.0		24.0	19.0		1.0	7.5	
13	2.0	2.0	4.0	24.0	21.0		30.0	4.0		1.0	7.0	
14	2.0	2.0	4.0	8.0 24.0	20.0	17.0	33.45	4.0		1.0	7.0	
15	2.0	2.0	4.0	10.0 26.	28.5	17.	30.0	9.0		1.25	9.0	
16	2.0	2.0	4.0	10. 22.	24.	17.	15.0	20.0		1.0	7.0	
17	2.0	2.0	4.0	10. 22.	25.6	19.	15.0	19.0		1.0	7.0	
18	2.0	2.0	4.0	10. 22.	21.	19.	30.0	4.0		1.0	6.5	
19	2.0	2.0	4.0	10. 22.	23.5	19.	30.0	4.0		1.0	6.5	
20	2.0	2.0	2.0	10. 24.	23.2	30.	25.0	3.0		1.0	2.5	
21	1.8	2.0	2.0	12. 22.	22.2	29.	24.0	3.0		.9	2.0	
22	1.8	2.0	2.0	12. 22.	22.2	29.	16.0	5.5		.9	2.5	
23	1.8	2.0	2.0	12. 22.	22.2	29.	15.0	5.5		.9	2.5	
24	1.8	2.0	2.0	12. 22.	22.2	29.	15.0	2.0		.9	6.5	
25	1.7	2.0	1.0	12. 22.	22.2	27.	15.0	1.5		.9	6.4	
26	1.7	2.0	1.0	12. 22.	22.2	27.	13.0	1.5		.9	6.3	
27	1.7	2.0	1.0	12. 17.	22.2	27.	14.0	1.5		.9	2.0	
28	1.5	2.0	1.0	18. 10.	17.	21.	20.0	4.0	2.8	.8	2.0	
29	1.4	2.0	1.0	20. 8.	19.6	21.	20.0	4.0	2.5	.7	2.0	
30	1.4	2.0	1.0	20. 8.	18.6	21.	20.0	.5	2.5	.7	2.0	
31	1.4	2.0		20. 8.	20.6	21.	20.0	.5	2.5	.7	2.0	
TOTAL	66.5		260.0	465.0		419.0		437.5		35.05		
CFS		58.0		230.0	985.0		490.45		10.3		214.7	
TOTAL	133.0		520.0	930.0		838.0		875.0		70.10		
A.F.		116.0		460.0	1970.0		980.9		20.6		429.4	

Total delivery from all sources during JULY, 1963 in acre feet--------- 2705.87

DAILY DISTRIBUTION OF WATER ABOVE STEINAKER SERVICE CANAL
ASHLEY CREEK DISTRIBUTION SYSTEM MONTH OF JULY, 1964 (page 2)

CENTRAL CANAL			TOTAL	TOTAL	TOTAL	TOTAL
PRI.	RES.	"S"	PRI.	RES.	"S"	ALL SOURCES
55.0			207.5		3.0	210.5
54.0			187.0		3.0	190.0
50.0			178.5		3.0	181.5
47.0			167.0		3.0	170.0
9.0			146.5		5.0	151.5
8.0			143.0		5.0	148.0
10.0			136.8		5.0	141.8
5.0		6.0	111.3		21.0	132.3
5.0		3.0	96.5		22.0	118.5
5.0		3.0	77.5		42.0	119.5
5.0		4.0	65.0		47.0	112.0
5.0		3.0	61.5		46.0	107.5
5.0		3.0	46.0		57.0	103.0
5.0		3.0	45.0	25.0	60.45	130.45
8.61		9.0	64.36	27.0	65.0	156.36
5.0		4.0	65.0	27.0	41.0	133.0
5.61		4.0	66.21	29.0	41.0	136.21
5.0		4.0	45.5	29.0	56.0	130.5
5.61		1.0	48.61	29.0	53.0	130.61
5.52		7.0	41.22	40.0	56.0	137.22
5.52		4.0	39.42	41.0	50.0	130.42
5.0		7.0	41.9	41.0	45.0	127.9
5.52		8.0	42.42	41.0	45.0	128.42
5.0		7.0	42.4	41.0	44.0	127.4
5.52	2.0	4.0	39.22	41.0	43.0	123.22
5.52	2.0	3.0	38.12	41.0	41.0	120.12
5.52	2.0	5.0	36.82	41.0	36.0	113.82
5.52	2.0	2.0	33.82	41.0	34.8	109.62
5.52		4.0	36.22	41.0	34.5	111.72
5.52		5.0	31.72	41.0	35.5	108.22
5.52		5.0	33.72	41.0	35.5	110.22
363.03		108.0		657.0		4151.53
	8.0		2415.70		1078.75	
726.06		216.0		1314.0		8303.06
	16.0		4831.56		2157.50	

Note: First Ashley Valley Res. water deliveries made July 14, 1964 and continued on up to October 31, 1964.

DAILY DISTRIBUTION OF WATER ABOVE STEINAKER SERVICE CANAL
ASHLEY CREEK DISTRIBUTION SYSTEM MONTH OF AUGUST, 1964 (page 1)

DATE	STEIN	HIGHLINE			UPPER C.			ROCK POINT		
AUG.		ALTA	RES.	"S"	PRI.	RES.	"S"	PRI.	RES.	"S"
1	1.4	2.0	20.0	8.0	21.6	21.0	20.0	.5		
2	1.4	2.0	12.0	4.0	22.6	21.0	24.0	.5		
3	1.4	2.0	10.0	2.0	22.6	23.0	24.0	5.0		
4	1.4	2.0	12.0	2.0	22.6	21.0	24.0	5.0		
5		2.0	12.0	2.0	20.4	14.0	24.0	1.0		
6	1.4	2.0	12.0	4.0	22.5	14.0	25.0	1.0		
7	1.3	2.0	12.0	4.0	22.4	14.0	21.0	1.0		
8	1.3	2.0	12.0	4.0	22.4	14.0	21.0	.5		
9	1.3	2.0	12.0	4.0	20.4	14.0	20.0	4.5		
10	1.3				26.4	13.5	20.0	4.5		
11	1.2				22.3	13.5	20.0	1.5		
12	1.2				18.8	13.5	20.0	1.0		
13	1.2				18.8	13.5	20.0	1.0		
14	1.2				18.3	13.5	20.0	1.0		
15	1.2				19.3	13.5	20.0	4.0		
16	1.2				20.3	13.5	20.0	4.0		
17	1.2			5.0	22.3	13.5	20.0	.5		
18	1.2			5.0	20.3	13.5	20.0	.5		
19	1.2	1.5		5.0	20.3	13.5	20.0	.5		
20	1.1	1.5		5.0	20.1	13.5	20.0	.5		
21	1.1	1.5		5.0	11.9	13.5	16.5	3.5	1.0	
22	1.0	1.5		5.0	11.8	13.5	15.5	3.5	1.0	
23	1.0	1.5		5.0	11.8	13.5	14.5		1.0	2.0
24	.9	1.5	6.0	5.0	11.5	13.5	9.0	1.0		2.0
25	.8	1.5	8.0	5.0	11.4	13.5	6.5	1.0		2.0
26	.8	1.5	8.0	5.0	11.4	30.0	5.0	1.0	2.0	
27	.6	1.5	8.0	5.0	11.3	30.0	4.0	2.5	1.0	
28	.7	1.5	14.0	5.0	11.3	25.0	5.0	2.5	1.0	
29	.7	1.5	14.0	5.0	11.3	25.0	6.0	1.0	1.0	
30	.7	1.5	14.0	5.0	11.3	25.0	5.0	1.0	1.0	
31	.7	1.5	14.0	5.0	11.3	26.0	6.0	1.0		
TOTAL	33.1		200.0		551.0		516.0		9.0	
cfs		37.5		109.0		533.0		56.0		6.0
TOTAL	66.2		400.0		1102.0		1032.0		18.0	
A.F.		75.0		218.0		1066.0		112.0		12.0

Total delivery from all sources AUGUST, 1963 in acre feet----------1523.48

DAILY DISTRIBUTION OF WATER ABOVE STEINAKER SERVICE CANAL
ASHLEY CREEK DISTRIBUTION SYSTEM MONTH OF AUGUST, 1964 (page 2)

DODDS	ISLAND DITCH			CENTRAL CANAL			TOTAL	TOTAL	TOTAL	TOTAL
PRI.	PRI	SEC	"S"	PRI	RES.	"S"	PRI.	RES.	"S"	ALL SOURCES
.7	5.5			5.52		3.0	37.22	41.0	31.0	109.22
.7	5.5			5.52		3.0	38.22	33.0	31.0	102.22
.7	1.2			5.52		5.0	38.42	33.0	31.0	102.42
.7	1.2			5.52		3.0	38.42	33.0	29.0	100.42
.65	1.2			5.52		5.0	30.77	26.0	31.0	87.77
.7	1.2			5.52		5.0	34.32	26.0	34.0	94.32
.7	1.2			5.52		2.0	34.12	26.0	27.0	87.12
.65	4.5			5.52			36.87	26.0	25.0	87.87
.65	4.5			5.52			38.87	26.0	24.0	88.87
.65	.5			5.52		3.0	38.87	13.5	23.0	75.37
.6	.5			5.52		5.0	31.62	13.5	25.0	70.12
.6	.8			5.52		2.5	27.92	13.5	22.5	63.92
.6	.8			5.52		3.0	27.92	13.5	23.0	64.42
.6	.8			5.52		2.0	27.42	13.5	22.0	62.92
.6	4.8			5.52			35.42	13.5	20.0	68.92
.6	4.8			5.52			36.42	13.5	20.0	69.92
.6	.5	2.0		5.52		2.0	30.62	15.5	27.0	73.12
.6	.5	2.0		5.52		2.0	28.62	15.5	27.0	71.12
.6	.5			5.52		2.0	30.12	13.5	27.0	70.62
.55	.5			5.52		1.0	29.77	13.5	26.0	69.27
.5	.5			5.52		1.0	24.52	14.5	22.5	61.52
.5	3.5			4.42			26.32	14.5	20.5	61.32
.5	3.4			4.52			22.72	14.5	21.5	58.72
.4	1.0		2.0	6.52			22.82	19.5	18.0	60.32
.4	1.0			6.52			22.62	21.5	13.5	57.62
.4	1.0			5.52			21.62	40.0	10.0	71.62
.35	1.0			5.52	1.0		22.77	40.0	9.0	71.77
.35	1.0			5.52	1.0		22.87	41.0	10.0	73.87
.35	2.5		2.0	5.52			22.87	40.0	13.0	75.87
.35	2.5		2.0	5.52			22.87	40.0	12.0	74.87
	1.0			5.52	2.0		22.92	42.0	11.0	74.92
16.25		4.0		171.12		49.5		750.0		2361.47
	59.4		6.0		4.0		924.92		686.5	
33.70		8.0		342.24		99.0		1500.0		4722.94
	118.8		12.0		8.0		1849.84		1373.0	

DAILY DISTRIBUTION OF WATER ABOVE STEINAKER SERVICE CANAL
ASHLEY CREEK DISTRIBUTION SYSTEM MONTH OF SEPTEMBER, 1964 (page 1)

DATE	STEIN		HIGHLINE			UPPER C.			ROCK P.	DODDS
SEPT.		ALTA	RES.	"S"	PRI.	RES.	"S"	PRI.		PRI.
1	.7	1.5	14.0	5.0	11.3	26.0	5.0	1.0		.35
2	.7	1.5	14.0	5.0	8.3	26.0	5.0	2.5		.35
3	.65	1.5	19.0		13.2	21.0	5.0	2.5		.32
4	.65	1.5	19.0		15.2	21.0	5.0	1.0		.32
5	.65	1.5	16.0		15.2	24.0	5.0	1.0		.32
6	.65	1.5	16.0		15.2	24.0	5.0	1.0		.32
7	.65	1.5	16.0		17.2	24.0	5.0	1.0		.33
8	.7	1.5	16.0		14.2	24.0	5.0	1.0		.32
9	.7	1.5	12.0		14.2	24.0	5.0	2.1		.32
10	.7	1.5	12.0		13.2	24.0	5.0	2.1		.32
11	.7	1.5	12.0		13.2	24.0	5.0	1.0		.32
12	.7	1.5	12.0		13.2	24.0	5.0	1.0		.32
13	.6	1.5	12.0		13.1	24.0	4.0	1.0		.32
14	RES .6	1.5	12.0		13.1	24.0	4.0	2.0		.30
15	4.0 .6	1.5	10.0	2.0	13.1	14.0	4.0	2.1		.30
16	4.0 .6	1.5	10.0	2.0	13.1	14.0	6.0	1.0		.30
17	2.5 .6	1.5	10.0	2.0	13.1	14.0	6.0	1.0		.30
18	2.5 .6	1.5	6.0	2.0	13.1	14.0	4.0	1.0		.30
19	2.5 .6	1.5	4.0	4.0	13.1	14.0	4.0	1.0		.30
20	3.0 .5	1.5	4.0	4.0	16.1	14.0	4.0	1.0		.25
21	3.0 .5	OFF	OFF	OFF	19.1	18.0	4.0	2.0		.25
22	2.5 .5				13.1	12.0	10.0	1.0		.25
23	.5				14.0	14.0	10.0	1.0		.25
24	.5				14.0	14.0	12.0	1.0		.25
25	.5				11.0	14.0	12.0	2.0		.25
26	.5				10.0	14.0	10.0	2.0		.25
27	.5				10.0	14.0	10.0	1.0		.25
28	.5				10.0	14.0	10.0	1.0		.25
29	.5				10.0	14.0	10.0	1.0		.25
30	.5				10.0	14.0	10.0	1.0		.25
31										
TOTAL	12.85		246.0		392.6		194.0			8.78
CFS	24.0	30.0		26.0		560.0		40.3		
TOTAL	25.7		492.0		785.2		388.0			17.56
A.F.	48.0	60.0		52.0		1120.0		80.6		

Total delivery from all sources during SEPTEMBER, 1963 in acre feet-1537.29

DAILY DISTRIBUTION OF WATER ABOVE STEINAKER SERVICE CANAL
ASHLEY CREEK DISTRIBUTION SYSTEM MONTH OF SEPTEMBER, 1964 (page 2)

ISLAND DITCH		CENTRAL CANAL			TOTAL	TOTAL	TOTAL	TOTAL
PRI.	"S"	PRI.	RES.	"S"	PRI.	RES	"S"	ALL SOURCES
1.0		5.52			21.37	40.0	10.0	71.37
1.0		5.52			19.87	40.0	10.0	69.87
1.0		5.52			24.69	40.0	5.0	69.69
1.0		5.52			25.19	40.0	5.0	70.19
2.4		3.52			24.59	40.0	5.0	69.59
2.4	2.0	3.52			24.59	40.0	7.0	71.59
1.0		5.52			27.20	40.0	5.0	72.20
1.0		5.52			24.24	40.0	5.0	69.24
1.0		5.52			25.34	36.0	5.0	66.34
1.0		5.52			24.34	36.0	5.0	65.34
1.0		5.52			23.24	36.0	5.0	64.24
2.2		5.52			24.44	36.0	5.0	65.44
2.2		4.52			23.24	36.0	4.0	63.24
1.0		6.52			25.02	36.0	4.0	65.02
1.0		6.52			25.12	28.0	6.0	59.12
1.0		5.52			23.02	28.0	8.0	59.02
1.0		5.52			23.02	26.5	8.0	57.52
1.0		5.52			23.02	22.5	6.0	51.52
2.0	2.0	3.52			22.02	20.5	10.0	52.52
2.0	2.0	4.52			25.87	21.0	10.0	56.87
1.0		6.52			23.37	21.0	10.0	54.37
1.0		4.0	2.0		19.85	16.5	10.0	46.35
1.0		4.52	1.0		19.27	15.0	12.0	46.27
1.0		4.52	1.0		21.27	15.0	12.0	48.27
2.0	2.0	4.52			22.27	14.0	12.0	48.27
2.0	2.0	4.52			19.27	14.0	12.0	45.27
1.0		5.52	2.0	2.0	18.27	16.0	12.0	46.27
1.0		5.52	2.0	2.0	18.27	16.0	12.0	46.27
1.0		5.52	2.0	2.0	18.27	16.0	12.0	46.27
1.0		4.0	2.0	2.0	18.75	16.0	10.0	44.75

	10.0		12.0		978.29		242.0	
39.2		153.56		8.0		842.0		1762.29
	20.0		24.0		1356.58		484.0	
78.4		307.12		16.0		1684.0		3524.58

DAILY DISTRIBUTION OF WATER ABOVE STEINAKER SERVICE CANAL
ASHLEY CREEK DISTRIBUTION SYSTEM MONTH OF OCTOBER, 1964 (page 1)

DATE	STEIN.	H.L.C.		UPPER		ROCK PT.	DODDS
OCT.	PRI.	ALTA	PRI.	RES.	"S"	PRI.	PRI.
1	.5		10.0	12.0	3.0	1.0	.25
2	.5		10.0	12.0	3.0	1.0	.25
3	.5		10.0	12.0	3.0	1.0	.25
4	.5		10.0	12.0	3.0	1.0	.25
5	.5		9.0	12.0	3.0	1.0	.25
6	.5		9.0	12.0	2.0	1.0	.25
7	.5		9.0	12.0	2.0	1.0	.25
8	.5		9.0	12.0	2.0	1.0	.25
9	.5		9.0	12.0	2.0	1.0	.25
10	.5		9.0	12.0	2.0	1.0	.25
11	.5		9.0	12.0	2.0	1.0	.25
12	.5		9.0	16.0	2.0	1.0	.25
13	.5		9.0	16.0	2.0	1.0	.25
14	.5		9.0	19.0	2.0	1.0	.25
15	.5		9.0	19.0	2.0	1.0	.25
16	.5		9.0	19.0	2.0	1.0	.25
17	.5		9.0	19.0	2.0	1.0	.25
18	.5		9.0	19.0	2.0	1.0	.25
19	.5		9.0	19.0	2.0	1.0	.25
20	.5		9.0	20.0	2.0	1.0	.25
21	.5		9.0	20.0	2.0	1.0	.25
22	.5		8.0	20.0	2.0	1.0	.25
23	.5		8.0	20.0	2.0	1.0	.25
24	.5		9.0	22.0	2.0	1.0	.25
25	.5	RES.	9.0	20.0	2.0	1.0	.25
26	.45	1.0	9.0	20.0	2.0	1.0	.25
27	.45	1.0	9.0	20.0	2.0	1.0	.25
28	.45	1.0	9.0	20.0	2.0	1.0	.25
29	.45		9.0	20.0	2.0	1.0	.25
30	.45		9.0	18.0	2.0	1.0	.25
31	.45		9.0	18.0	2.0	1.0	.25
TOTAL	15.2		283.0		67.0		7.75
CFS		3.0		516.0		31.0	
TOTAL	30.4		566.0		134.0		15.50
A.F.		6.0		1032.0		62.0	

Total delivery from all sources during OCTOBER, 1963 in acre feet--1401.25

DAILY DISTRIBUTION OF WATER ABOVE STEINAKER SERVICE CANAL
ASHLEY CREEK DISTRIBUTION SYSTEM MONTH OF OCTOBER, 1964 (page 2)

ISLAND	CENTRAL CNL.			TOTAL	TOTAL	TOTAL	TOTAL
PRI.	PRI.	RES.	"S"	PRI.	RES.	"S"	ALL SOURCES
1.0	9.0	4.0	3.0	21.75	16.0	6.0	43.75
1.0	9.0	4.0	2.0	21.75	16.0	5.0	42.75
2.0	9.0	4.0	1.0	22.75	16.0	4.0	42.75
2.0	9.0	4.0	1.0	22.75	16.0	4.0	42.75
1.0	8.0	6.0	1.0	19.75	18.0	4.0	41.75
1.0	8.0	6.0	1.0	19.75	18.0	4.0	40.75
1.0	8.0	6.0	1.0	19.75	18.0	4.0	40.75
1.0	8.0	6.0	1.0	19.75	18.0	4.0	40.75
1.0	8.0	6.0	1.0	19.75	18.0	4.0	40.75
1.85	8.0	6.0		20.6	18.0	2.0	40.60
1.85	8.0	6.0		20.6	18.0	2.0	40.60
1.0	8.0	2.0		19.75	18.0	2.0	39.75
1.0	8.0	2.0		19.75	18.0	2.0	39.75
1.0	8.0	4.0		19.75	23.0	2.0	44.75
1.0	8.0	4.0		19.75	23.0	2.0	44.75
1.7	8.0	3.0		20.45	22.0	2.0	44.45
1.7	8.0	3.0		20.45	22.0	2.0	44.45
1.7	8.0	3.0		20.45	22.0	2.0	44.45
1.0	8.5	3.0		20.25	22.0	2.0	44.75
1.0	8.5	2.0		20.75	22.0	2.0	44.75
1.0	8.5	2.0		20.75	22.0	2.0	44.75
1.0	8.0	2.0		18.75	22.0	2.0	42.75
1.0	8.0	2.0		18.75	22.0	2.0	42.75
1.6	7.0			19.35	22.0	2.0	43.35
1.6	7.0			19.35	20.0	2.0	41.35
1.0	8.0			19.7	21.0	2.0	42.70
1.0	8.0			19.7	21.0	2.0	42.70
1.0	8.0			19.7	21.0	2.0	42.70
1.0	8.0			19.7	21.0	2.0	42.70
1.0	8.0			19.7	18.0	2.0	39.70
1.6	8.0			20.3	18.0	2.0	40.30
38.6		90.0		626.05		80.0	
	251.5		12.0		609.0		1315.05
77.2		180.0		1252.10		160.0	
	503.0		24.0		1218.0		2630.10

SPECIAL NOTE: A total of 5,716 acre feet of Ashley Valley Reservoir storage was delivered at the heads of the Various canals either as direct delivery Ashley Valley Reservoir stock or as "S" stock exchange. This amounts to a delivery at the heads of the canals and does not include what losses are involved in each canal to the laterals where the water was eventually used.

DAILY DISTRIBUTION OF WATER ABOVE STEINAKER SERVICE CANAL
ASHLEY CREEK DISTRIBUTION SYSTEM MONTH OF NOVEMBER, 1964

DATE NOV.	STEIN PRI.	H.L.C. "S"	UPPER "S"	FEEDER PRI.	DODDS PRI.	CENT. "S"	TOTAL PRI.	TOTAL STORAGE	TOTAL "S"	TOTAL ALL SOR.
1	.45		10.0	16.5	.25	2.0	.70	16.5	12.0	29.2
2	.45		12.0	17.5	.25		.70	17.5	12.0	30.2
3	.25		12.0	16.5	.25		.50	16.5	12.0	29.0
4	.25		12.0	15.5	.25		.50	15.5	12.0	28.0
5	.25		12.0	16.0	.25		.50	16.0	12.0	28.5
6	.25		12.0	17.0	.25		.50	17.0	12.0	29.5
7	.25		12.0	17.0	.25		.50	17.0	12.0	29.5
8	.25		12.0	17.0	.25		.50	17.0	12.0	29.5
9	.25	8.0	12.0	9.0	.25		.50	9.0	20.0	29.5
10	.25	8.0	16.0	1.0	.25		.50	1.0	24.0	25.5
11	.25	10.0	18.0	1.0	.25		.50	1.0	28.0	29.5
12	.25	10.0	18.0	1.0	.25		.50	1.0	28.0	29.5
13	.25	4.0	8.0	17.0	.25		.50	17.0	12.0	29.5
14	---	---	----	30.0	.25		.25	30.0	----	----

15 DUE TO THE SNOW STORM COVERING THE AREA AND MAKING IRRIGATION IMPRACTICAL ALL WATER WAS DIVERTED INTO THE STEINAKER RESERVOIR ON NOV. 14, 1964, WITH THE EXCEPTION OF THE JOE DODDS RIGHT WHICH HE CONTINUED USING ON THROUGH THE WINTER FOR STOCK WATER. THE USE OF ASHLEY CREEK WATER DURING NOVEMBER WAS BY SPECIAL AGREEMENT WITH THE BUREAU OF RECLAMATION AND WAS USED AS "S" STOCK EXCHANGE ONLY.

TOTAL	3.65		166.0		3.5		7.15		208.0	
CFS		40.0		192.0		2.0		192.0		407.15
TOTAL	7.30		332.0		7.0			384.0		814.30
A.F.		80.0		384.0		4.0			416.0	

DRY FORK TRIBUTARY TO ASHLEY CREEK FOR 1964 IRRIGATION SEASON

Dry Fork, Tributary to Ashley Creek, began flowing at the springs above Dry Fork Settlement on May 19, 1964. In 1963, the springs began flowing some 8 days earlier, beginning on May 11, 1963.

The flow continued to increase until May 22, 1964, when it peaked at 605 cfs. This is almost twice the peak reached in 1963, of 304 cfs on May 21, 1963. The creek began to decrease after May 22 on towards the end of May and then came back to a high of 316 cfs on June 7, 1964. This flow pattern is very similar to Ashley Creek during the same periods of time and can be attributed to weather conditions in the general area.

Dry Fork ran a good average of 128 cfs during June and an average of 21.9 cfs during July up to the time the springs dryed up. This occured on July 28, 1964. This was 26 days longer than in 1963 when the springs stopped running on July 2 1963.

The total flow for the season as recorded by the U.S.G.S. above Dry Fork Settlement was 18,610 acre feet. This was almost twice the 1963 flow when it totaled 9,790 acre feet. The recorded located at the mouth of Dry Fork near Merkleys Park showed a total of 14,600 acre feet in 1964, as compared with 7,010 ac.ft. in 1963.

In analyzing the amount of water diverted by farmers in the Dry Fork area the difference between the Upper gaging station and the lower gaging station gives a relative figure as to what is used. In 1964 the difference amounted to 4,010 acre feet during a 67 day irrigation season. In 1963, the difference amounted to 2,780 acre feet during a 40 day irrigation season. These figures are only an indication of what farmers use and also include what trees and other plants along the stream bed consume. Taking all factors into consideration Dry Fork had a much better irrigation season in 1964 as compared to 1963 in both water supply and time available. Crops produced in 1964 reflected this difference and points out the need to complete the Dry Fork Project which would both stabilize the water supply and the time available for use. The Dry Fork Project would permitt Dry Fork Users to plan their irrigations rather than having to do all they cna while the water is in the creek and consequently increase the beneficial use and production from the land. The Dry Fork Project will also provide storage for some of the extreme high flows in the creek and thus minimize the damage caused by heavy peak flows, as well as stabilize the supply over the dry summer months.

At the present time there are still no measuring devices in the Dry Fork Area. As in the past, farmers have been obligated to do the best they could while the creek was flowing and there was no real need for measuring devices as long as everyone was satisfied. Dry Fork Irrigation Company, which comprises the majority of the Users, rotates the canal flow on turns during the end of the season when the creek drops to a fairly low flow.

With the outlook, to date, very encouraging from the well investigations presently underway it will be necessary for the Dry Fork Users to begin planning on installing measuring devices in all diversion ditches. In the event that the Dry Fork Project is completed it will be necessary to distribute, accurately the water made available in The Dry Fork Area as well as in the Ashley Valley

UNITED STATES DEPT. OF THE INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

Sta. No. 9-2700

Daily discharge in second ft. of Dry Fork below Springs near Dry Fork, Utah for year ending Sept. 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								0	172	58		
2								0	176	52		
3								0	182	55		
4	(*)							0	*193	49		
5								0	221	44		
6								0	280	41		
7								0	316	36		
8								0	212	35		
9								0	152	33		
10								0	129	*32		
11								0	120	30		
12								0	108	26		
13								*0	a 98	24		
14								0	a 88	21		
15								0	* 79	20		
16								0	88	22		
17								0	108	*20		
18								*0	121	18		
19								*82	110	15		
20								271	90	12		
21								460	93	9.0		
22								*605	94	7.0		
23								556	78	5.4		
24								494	68	5.2		
25								505	88	4.8		
26								*450	83	3.3		
27								438	76	1.6		
28								347	79	.2		
29								267	66	0		
30								210	65	*0		
31								183	--	0		
	0	0	0	0	0	0	0	*4,868	3,833	679.5	0	0
Mean	0	0	0	0	0	0	0	157	128	21.9	0	0
Acre Feet	0	0	0	0	0	0	0	9,660	7,600	1,350	0	0

Mean 25.6 Acre Feet 18,610

UNITED STATES DEPT. OF THE INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

Sta. No. 9-2705

Daily discharge in second ft. of Dry Fork at mouth, Near Dry Fork, Utah- year ending Sept. 30, 1964

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	1.6	1.2				1.6	0.2	135	40	1.3	0.6
2	.2	1.6					1.9	.3	127	30	.9	.6
3	.2	1.6					1.4	.1	132	33	.8	1.2
4	.5	1.6					1.3	.2	*143	14	.7	1.5
5	.4	2.5	1.1	0.6			1.4	.3	179	11	.7	.8
6	.5	1.9			0.4		1.9	.3	260	*11	.9	1.4
7	.4	1.9					1.4	.2	269	16	.8	1.7
8	.4	1.6				0.2	1.2	.2	179	8.6	.7	1.3
9	.5	1.0					1.3	.2	124	8.1	.7	1.2
10	.7	1.0					1.3	.1	101	6.7	*.7	1.2
11	.5	1.0					1.3	.1	89	3.3	.7	1.2
12	.8	1.0					1.0	.1	77	2.4	.8	.8
13	1.0	1.1					*.9	*.1	64	2.7	.9	.6
14	1.0	1.3					.9	.1	60	3.5	.9	.6
15	1.0	1.3		.2			.9	.1	*46	3.1	1.0	.7
16	.9	1.7	(*)			(*)	.8	.1	33	3.1	1.5	.6
17	*.8	1.7					.7	.1	51	*1.2	1.2	*.5
18	.8	1.9			(*)		.8	.1	80	1.2	1.2	.6
19	.9	1.9	.9				2.8	17	82	1.2	1.3	.6
20	1.2	*1.9					1.3	*183	74	1.5	1.0	.6
21	1.0	1.9		(*)	.2		1.2	344	77	1.2	.9	.8
22	1.0	1.7					.9	*486	83	.8	.8	.6
23	1.0	1.7				.5	.8	468	69	.8	.8	.6
24	1.0	1.7					.8	452	56	.8	.6	.6
25	1.0	1.7					.9	487	60	.8	.5	.6
26	1.0	1.6		.4			.8	*436	56	.7	.5	.6
27	1.0	1.3					.7	351	50	.7	.8	.8
28	1.0	1.5					.7	278	58	.5	.9	.8
29	1.0	1.5					.6	210	54	.6	.9	.9
30	1.2	1.5			--	1.5	.3	160	46	.9	.9	.9
31	1.5	---			--	1.6	---	140	---	1.4	.8	---
	24.6	*	29.4	*	8.2	*	33.8	*	2,914	*	27.1	*
	*	47.2	*	12.4	*	13.1	*	4,014.9	*	210.8	*	25.5
Mean	0.79	1.57	0.95	0.40	0.28	0.42	1.13	130	97.1	6.80	0.87	0.85
Acre Feet	49	94	58	25	16	26	67	7,960	5780.0	418.0	54.0	51.0

Mean 20.1 Acre Feet 14,600